Fig. 1

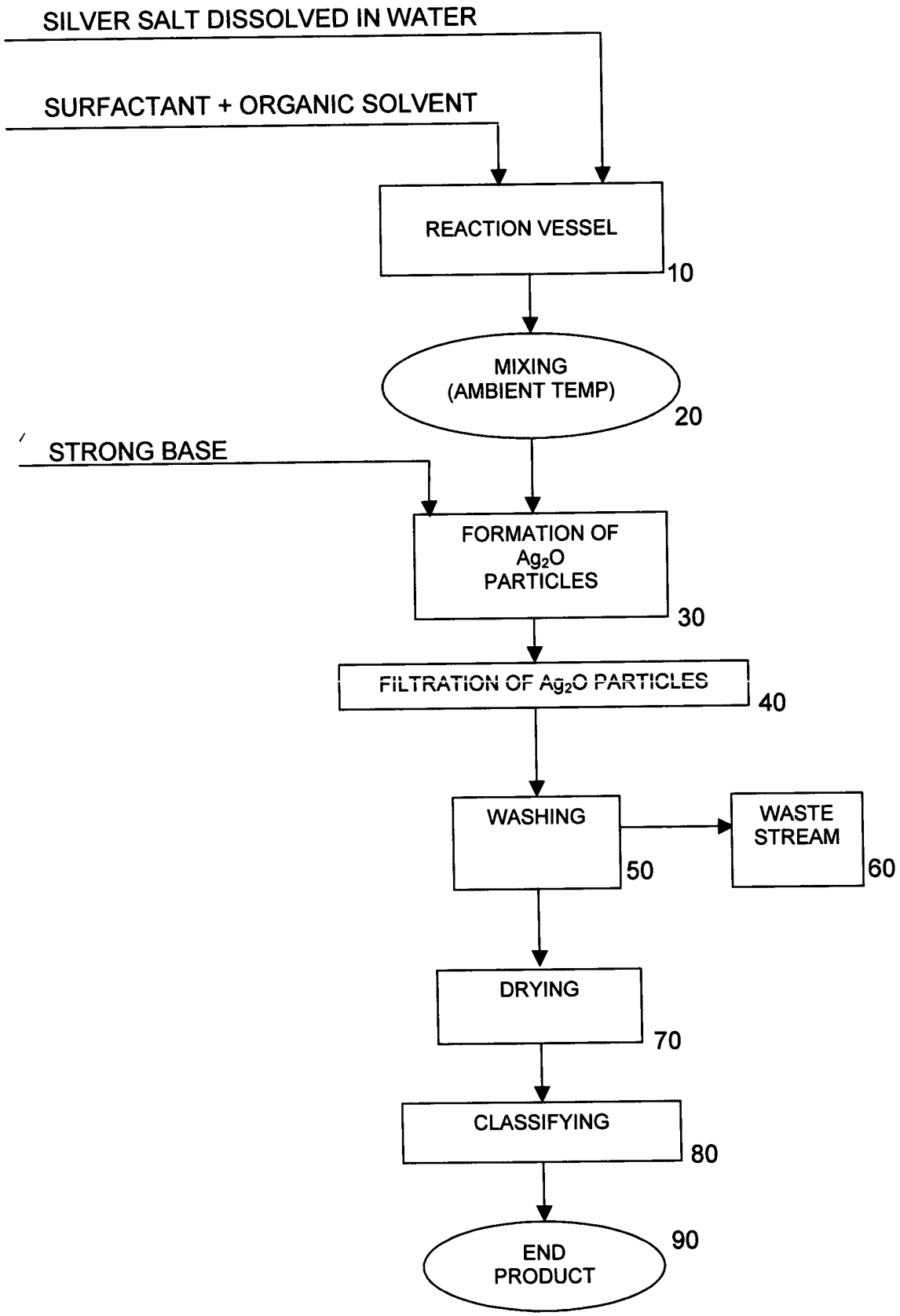

SILVER SALT DISSOLVED IN WATER
SURFACTANT + ORGANIC SOLVENT
REACTION VESSEL
10
MIXING
(AMBIENT TEMP)
20
STRONG BASE
FORMATION OF
Ag_2O
PARTICLES
30
FILTRATION OF Ag_2O PARTICLES
40
WASHING
50
WASTE
STREAM
60
DRYING
70
CLASSIFYING
80
END
PRODUCT
90

Fig. 2

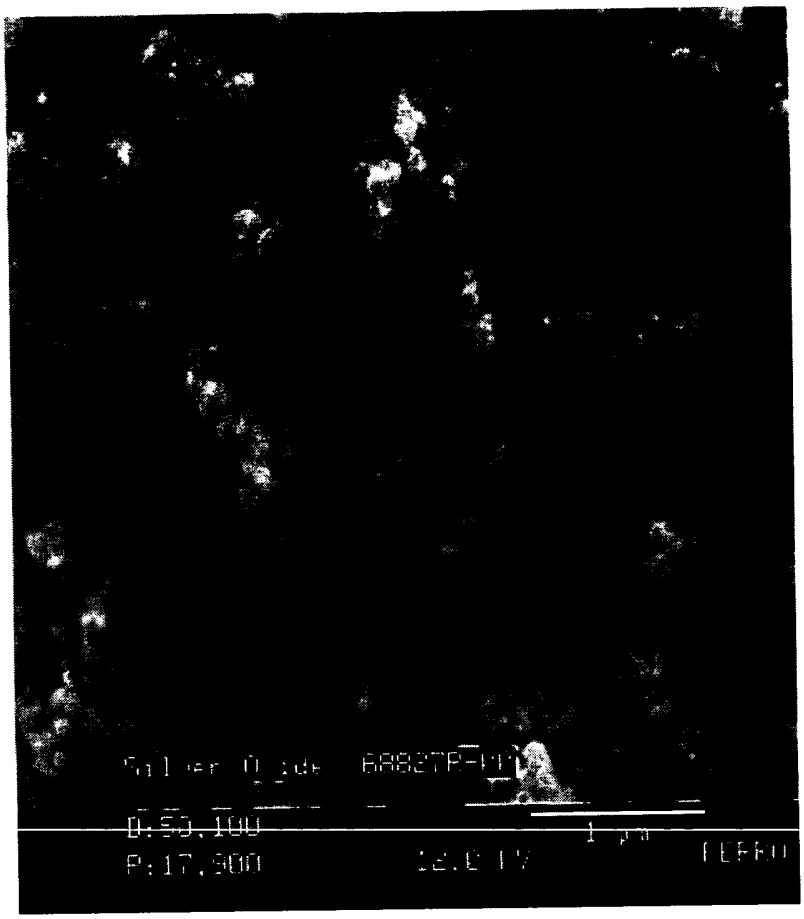


Fig. 3

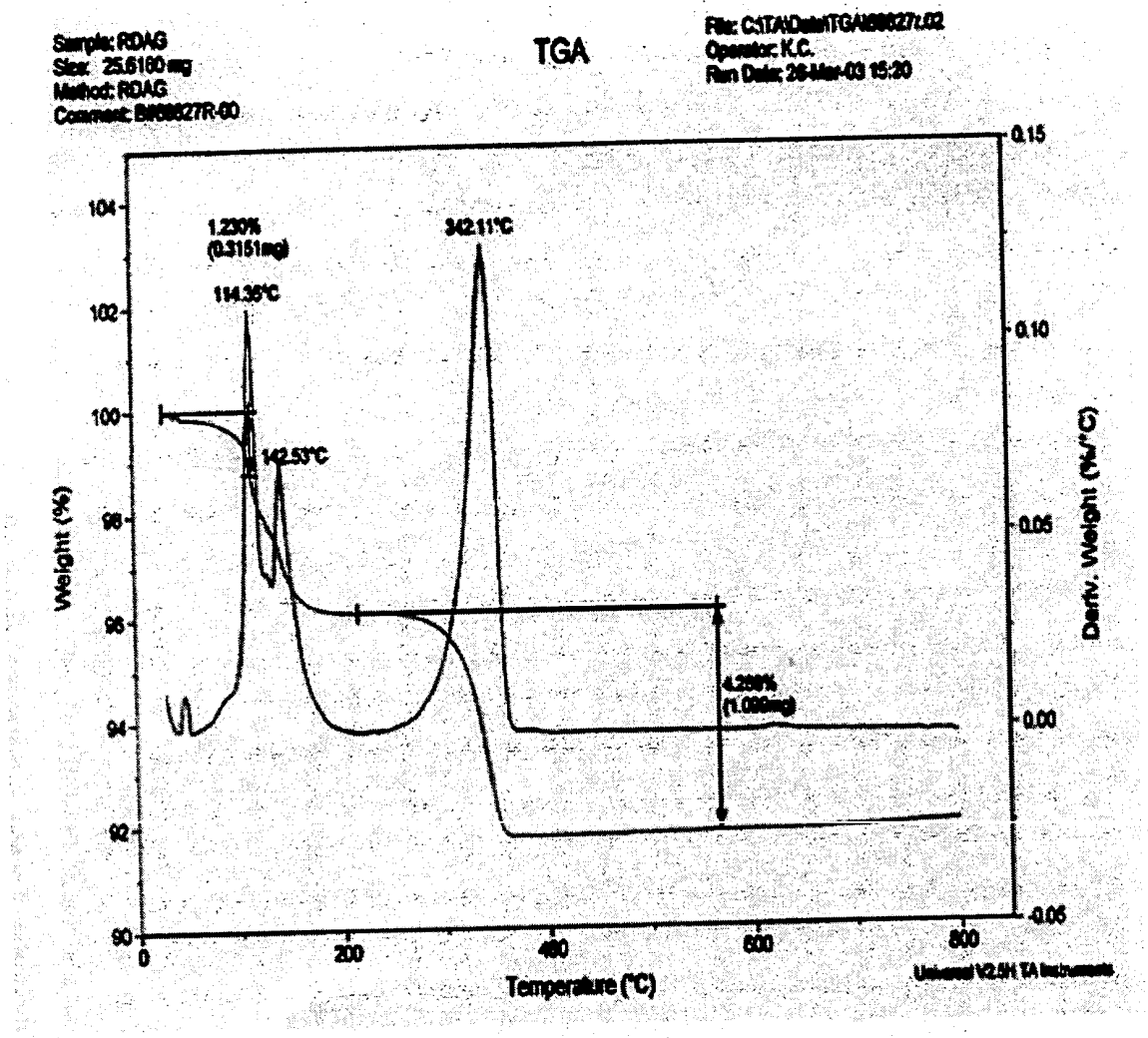
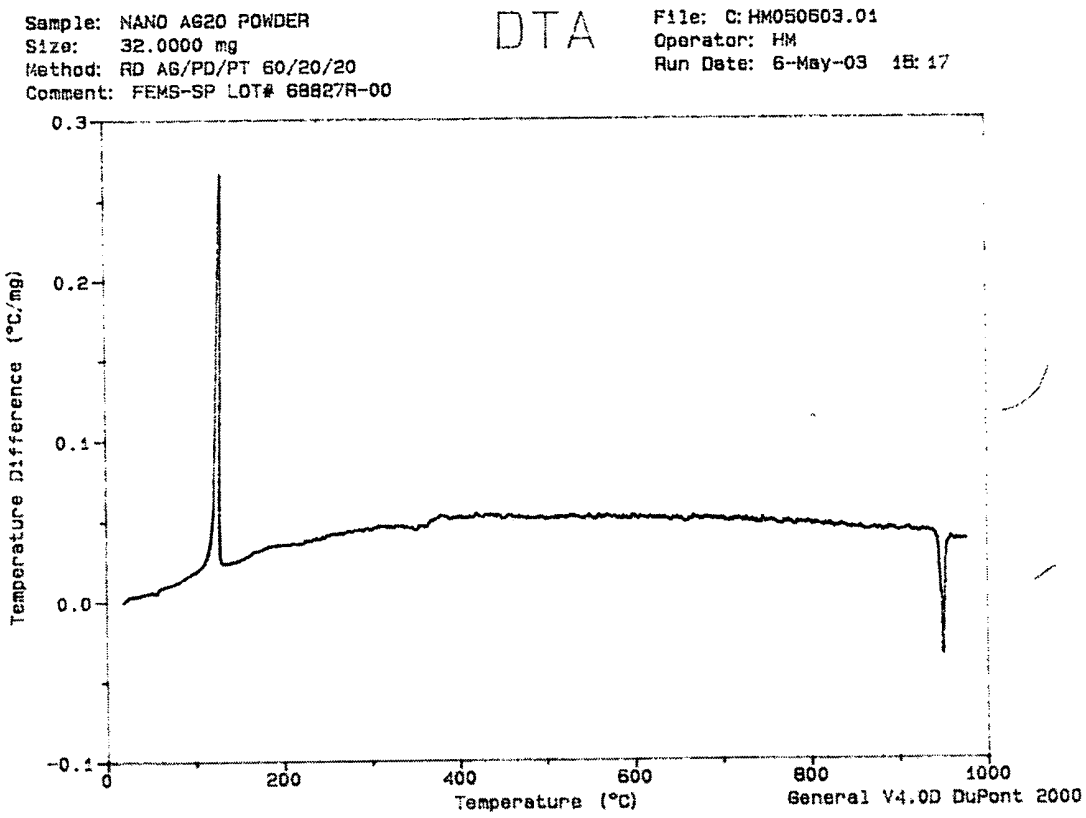

Sample: RDAG
Size: 25.6160 mg
Method: RDAG
Comment: BR98627R-60
TGA
Operator: K.C.
Run Date: 26-Mar-03 15:20
1.230%
(0.3151mg)
114.35°C
142.53°C
342.11°C
4.208%
(1.099mg)
Weight (%)
Deriv. Weight (%/°C)
Temperature (°C)
Universal V2.5H TA Instruments

Fig. 4


Sample: NANO AG20 POWDER
Size: 32.0000 mg
Method: RD AG/PD/PT 60/20/20
Comment: FEMS-SP LOT# 68827R-00
DTA
File: C:HM050503.01
Operator: HM
Run Date: 6-May-03 15:17
Temperature Difference (°C/mg)
0.3
0.2
0.1
0.0
-0.1
0
200
400
600
800
1000
Temperature (°C)
General V4.0D DuPont 2000